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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number		10764771
Filing Date		2004-01-26
First Named Inventor	M.F.	FONTOURA et al.
Art Unit		2166
Examiner Name	Moh	ammad Ali
Attorney Docket Number		SVL920030116US1

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	1	4965763		1990-10-23	Zamora	
	2	5187790		1993-02-16	East of al.	
	3	5265221		1993-11-23	Miller	
	4	5297039		1994-03-22	Kanaegami et al.	
	5	5638543		1997-06-10	Pederson et al.	
	6	5708825		1998-01-13	Solomayor	
	7	5721938		1998-02-24	Stuckey	
	8	5721939		1998-02-24	Kapian	

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9	5729730	1998-03-17	Wlaschin et al.	
10	5809502	1998-09-15	Burrows	
11	5832480	1998-11-03	Byrd, Jr. et al.	
12	5884305	1999-03-16	Kleinberg et al.	
13	5890103	1999-03-30	Carus	
14	5903646	1999-05-11	Rackman	
15	5909677	1999-06-01	Broder et al.	
16	5933822	1999-08-03	Braden-Harder et al.	
17	5963940	1999-10-05	Liddy et al.	
18	5974412	1999-10-26	Haziehurst et al.	
19	6026388	2000-02-15	Liddy et al.	

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20	6029165	2000-02-22	Gable	
21	6035268	2000-03-07	Carus et al.	
22	6119124	2000-09-12	Broder et al.	
23	6182121	2001-01-30	Wlaschin	
24	6192333	2001-02-20	Pentheroudakis	
25	6205456	2001-03-20	Nakao	
26	6243713	2001-06-05	Nelson et al.	
27	6269361	2001-07-31	Davis et al.	
28	6285999	2001-09-04	Page	
29	6295529	2001-09-25	Corston-Oliver et al.	
30	6308179	2001-10-23	Peterson et al.	

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31	6324566	2001-11-27	Himmel et al.	
32	6381602	2002-04-30	Shoroff et al.	
33	6421655	2002-07-16	Horvitz et al.	
34	6519592	2003-02-11	Getchius et al.	
35	6547829	2003-04-15	Meyerzon et al.	
36	6553385	2003-04-22	Johnson et al.	
37	6578032	2003-06-10	Chandrasekar et al.	
38	6594682	2003-07-15	Peterson et al.	
39	6615209	2003-09-02	Gomes et al.	
40	6618725	2003-09-09	Fukuda et al.	
41	6622211	2003-09-16	Henry et al.	

2003-10-07 Meyerzon et al.

				2000 10 11	meyerson et a.	
	43	6631496		2003-10-07	Li et al.	
	44	6633872		2003-10-14	Ambrosini et al.	
	45	6643650		2003-11-04	Slaughter et al.	
	46	6658406		2003-12-02	Mazner et al.	
	47	6658423		2003-12-02	Pugh et al.	
	48	6665657		2003-12-16	Dibachi	
	49	6678409		2004-01-13	Wu et al.	
	50	6754873		2004-06-22	Law et al.	
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	1	0 809 197	EP			1997-11-2	6	Ishikawa et al.				
	2	9749048	wo			1997-12-2	4	Yanhong				
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Examiner Initials*	Cite No	Include name of the ai (book, magazine, journ publisher, city and/or of	nal, serial	l, symp	osium,	catalog, et					Тб	
	1	AGRAWAL, S., S CHAL Databases," Proceeding								h over Relational		
	2		AGRAWAL, S., S CHAUDHURI and G. DAS, "DBXpixer: Enabling Keyword Search over Reliational Databases", Proceedings of the 2002 ACM SIGMOD International Conference on Management of Data, 2002, pg. 627.									
	3	BHALOTIA, G., A. HULO Browsing in Databases 10 pp.										
	4	BRIN, S. and L. PAGE, ISDN Systems, Vol. 30,					textu	al Web Search Eng	ne", Co	mputer Networks and		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

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5	Level Retrieval Process*, Twelfth International Conference on Information Knowledge Management (CIKM 2003), 2003, pp. 426-434	
6	BRODER, A.Z., S.C. GLASSMAN, M.S. MANASSE, and G. ZWEIG, "Syntactic Clustering of the Web", Computer Networks and ISDN Systems, Vol. 29, Iss. 8-13, 1997, pp. 1157-1166.	
7	BRUNO, N. K. KOUDAS and D. SRIVASTAVA, "Holistic Twig Joins: Optimal XML Pattern Matching", Proceedings of the 2002 ACM SIGMOD international Conference on Management of Data, 2002, pp. 310-321.	
8	CARMEL, D., Y. MAAREK, M. MANDELBROD, Y. MASS and A. SOFFER, "Searching XML Documents via XML Fragments," Proceedings of the 26th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval, 2003, pp. 151-158.	
9	FONTOURA, M., E. SHEKITA, J. ZIEN, S. RAJAGOPALAN and A. NEUMANN, "High Performance Index Build Algorithms for Intranet Search Engines", Proceedings of 30th International Conference on Very Large Data Bases, 2004, pp. 1158-1169.	
10	FRENCH, G, "Hacking the Google Nummange Operator", [online]. April 1, 2004, [retrieved on August 31, 2004], retrieved from the internet at <url: <br="" http:="" insiderreports="" lwww.webpronews.com="" searchinsider="">wpn-49-20040401HackingtheGoogleNumrangeOperator.html>.</url:>	
11	GOOGLE, "Advanced Search", [online]. 2003, [retrieved on August 31, 2004], retrieved from the Internet at <url: help="" http:="" refinesearch.html="" www.google.com="">.</url:>	
12	GRAVANO, L., P.G. IPEIROTIS, N. KOUDAS and D. SRINASTAVA, "Text Joins in an RDBMS for Web Data integration", Proceedings of the 12th International Conference on World Wide Web, 2003, pp. 90-101.	
13	GUTTMAN, A., "R-Trees: A Dynamic Index Structure for Spatial Searching", Proceedings of the 1984 ACM SIGMOD International Conference on Management of Data, 1984, pp. 47-57.	
14	HRISTIDIS, V. and Y. PAPAKONSTANTINOU, "DISCOVER: Keyword Search in Relational Databases", Proceedings of the 28th VLDB Conference, 2002, 12 pp.	
15	KAUSHIK, R., R. KRISHNAMURTHY, J.F. NAUGHTON and R. RAMAKRISHNAN, "On the Integration of Structure Indexes and inverted Lists," Proceedings of the 20th International Conference on Data Engineering, 2004, 1 pg.	

BRODER, A.Z., D. CARMEL, M. HERSCOVICHI, A. SOFFER and J. ZIEN, "Efficient Query Evaluation Using a Two-

INFORMATION DISCLOSURE
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Examiner N
Altomey De

Art Unit		10764771				
		2004-01-26 FONTOURA et al 2166				
				hammad Ali		
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			Filing Date First Named Inventor Art Unit Examiner Name	Filing Date First Named Inventor M.F. Art Unit Examiner Name Mohi		

16	MELNIK, S., S. KACHAVAN, B. TANG AND H. GARCUH-MULINA, Bulliang a distributed Hill-Text index for the Web," ACM Transactions on Information Systems, Vol. 19, No. 3, July 2001, pp. 217-241.	
17	PRESS, W.H., B.P. FLANNERY, S.A. TEUKCLSKY AND W.T. VETTERLING, "Numerical Recipes in C: The Art of Scientific Computing", 1998, Ch. 9, pp. 258-263.	
18	RAGHAVAN, S. and H. GARCIA-MCLINA, "Complex Queries over Web Repositories", Proceedings of the 29th VLDB Conference, 2003, pp. 33-44.	
19	RAGHAVAN, S. and H. GARCIA-MOLINA, "Integrating Diverse Information Management Systems: A Brief Survey", IEEE Data Engineering Bulletin, 2001, Vol. 24, No. 4, pp. 44-52.	
20	RAMSAK, F., V. MARKL, R. FENK, M. ZIRKEL, K. ELHARDT and R. BAYER, "Infegrating the UB-Tree into a Database System Kernel", Proceedings of 26th International Conference on Very Large Data Bases, September 2000, pp. 263-272.	
21	SPERTUS, E. and L.A. STEIN, "Squeat: A Structured Query Language for the Web", Proceedings of the 9th international World Wide Web Conference on Computer Networks, 2000, pp. 95-103.	
22	US Patent Application Serial No. 11/182,334, filed July 14, 2005, entitled "Enforcing Native Access Control to Indexed Documents", invented by R. LEMPEL, T. LEYBA, J.A. MCPHERSON, J.R., and J.L. PEREZ.	
23	US Patent Application Serial No. 11/295,397, filed December 5, 2005, entitled "Improving Text Search Quality by Exploiting Organizational Information", invented by T. HAMPP, M. BÄESSLER, A. LANG, T.W. GOETZ, A. BAADER, and J. DOERRE.	
24	LOMET, D. (Ed.), "Bulletin of the Technical Committee on Data Engineering", December 2001, Vol. 24, No. 4, 56 pp.	
25	LU, W., L. CHIEN, & H. LEE, "Anchor Text Mining for Translation of Web Queries", Proceedings from the International Conference on Data Mining, November 2001, pp. 401-408.	
26	PCT International Search Report and Written Opinion, May 6, 2005, for International Application No. PCT/EP2005/ 050321.	

	Application Number		10764771	
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